Docket No. AUS920030821US1

ABSTRACT OF THE DISCLOSURE

METHOD AND APPARATUS FOR AVERAGING OUT VARIATIONS IN RUN-TO-RUN PATH DATA OF A COMPUTER PROGRAM

A method and apparatus for averaging out variations from run to run of a computer program are provided. With the apparatus and method, call trees are generated for two or more executions of a build of a computer program. The apparatus and method perform a "tree-addition" operation in which the two or more call trees generated during runs of the computer program are added to one another to thereby accumulate statistics for each call in the call trees. These statistics may then be divided by the number of runs whose tree data structures are being accumulated. In this way, an average of the tree data structures is generated. In addition, any portions of the tree data structure that are due to asynchronous events are averaged out so that their relative affect in the resulting tree data structure is minimized.